

15 MAR 2003

1527883

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/10239

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/675 A61P19/00 A61P19/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ, MEDLINE, BIOSIS, EMBASE, SCISEARCH, PASCAL, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 6 255 288 B1 (LOESCHORN CAROL A) 3 July 2001 (2001-07-03) column 1 column 2, line 49 - line 65 column 8, line 32 column 10 in particular 1. 16/17; 64/65 example 2 claims 1,5,14 --- -/--	1-13 14-17

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

13 November 2003

Date of mailing of the international search report

27/11/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Hornich, E

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PCT/EP 03/10239

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	REID IAN R ET AL: "Intravenous zoledronic acid in postmenopausal women with low bone mineral density" NEW ENGLAND JOURNAL OF MEDICINE, vol. 346, no. 9, 28 February 2002 (2002-02-28), pages 653-661, XP009021019 ISSN: 0028-4793	1-13,17
A	the whole document	14-16
X	SOLOMON C G: "Bisphosphonates and osteoporosis" NEW ENGLAND JOURNAL OF MEDICINE 28 FEB 2002 UNITED STATES, vol. 346, no. 9, 28 February 2002 (2002-02-28), page 642 XP009021021 ISSN: 0028-4793	1-17
A	the whole document	
A	NEED ALLAN G ET AL: "Vitamin D status: Effects on parathyroid hormone and 1,25-dihydroxyvitamin D in postmenopausal women" AMERICAN JOURNAL OF CLINICAL NUTRITION, vol. 71, no. 6, June 2000 (2000-06), pages 1577-1581, XP002261420 ISSN: 0002-9165 abstract Discussion	14-17
A	US 5 965 547 A (GREEN JONATHAN ET AL) 12 October 1999 (1999-10-12) column 1, paragraph 1 column 2, paragraphs 2,3 column 3, line 56	

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International application No.
PCT/EP 03/10239

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 2-17 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compounds.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/10239

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6255288	B1	03-07-2001	AU 670337 B2 11-07-1996
			AU 5187493 A 09-06-1994
			CA 2110110 A1 31-05-1994
			EP 0600834 A1 08-06-1994
			HU 65731 A2 28-07-1994
			JP 6211667 A 02-08-1994
			MX 9307479 A1 31-08-1994
			NO 934317 A 31-05-1994
			NZ 250293 A 24-06-1997
			ZA 9308898 A 01-06-1994
US 5965547	A	12-10-1999	AT 218350 T 15-06-2002
			AU 693541 B2 02-07-1998
			AU 2146695 A 29-11-1995
			CA 2183764 A1 16-11-1995
			DE 69526937 D1 11-07-2002
			DE 69526937 T2 02-01-2003
			DK 758241 T3 23-09-2002
			EP 0758241 A1 19-02-1997
			ES 2177642 T3 16-12-2002
			FI 964332 A 28-10-1996
			HU 74984 A2 28-03-1997
			WO 9530421 A1 16-11-1995
			IL 113566 A 23-05-2002
			JP 9512816 T 22-12-1997
			NO 964486 A 22-10-1996
			NZ 283430 A 23-06-2000
			PT 758241 T 31-10-2002
			TW 458779 B 11-10-2001
			ZA 9503537 A 06-11-1995